

**Notice of Allowability**

Application No.

10/648,165

Examiner

Tamiko D. Bellamy

Applicant(s)

GERDES ET AL.

Art Unit

2856

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/28/05.
2. ☒ The allowed claim(s) is/are 28-40.
3. ☒ The drawings filed on 26 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

## DETAILED ACTION

### *Election/Restrictions*

1. Applicant's election without traverse of Group I, claims 28-40 in the reply filed on 2/28/05 is acknowledged. Claims 1-27 have been canceled.

### *Allowable Subject Matter*

2. Claims 28-40 are allowed.

Re claim 28, the independent claim includes "calculating an imbalance correction weight threshold level for each of the imbalance parameters utilizing the identified at least one dimension and the selected associated imbalance limit" in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas '282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. As noted Douglas '282 does not teach calculating an **imbalance correction weight threshold level** for each of the imbalance parameters utilizing the identified at least one dimension and the selected associated imbalance limit.

Re claim 30, the independent claim includes "calculating an imbalance correction weight threshold level for the static imbalance parameter utilizing the identified diameter and the selected imbalance limit" in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas '282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. As noted Douglas '282 does not teach calculating an **imbalance correction weight threshold level** for the **static imbalance parameter** utilizing the identified diameter and the selected imbalance limit.

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Re claims 32 and 33, the independent claim includes “ calculating an imbalance correction weight threshold level for the dynamic imbalance parameter utilizing the identified diameter, the identified axial width, and the selected associated imbalance limit “ in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas ‘282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. As noted Douglas ‘282 does not teach calculating an **imbalance correction weight threshold level for the dynamic imbalance parameter** utilizing the identified diameter, the identified axial width, and the selected associated imbalance limit.

Re claim 34, the independent claim includes “ selecting, responsive to the determined static imbalance correction weight exceeding the calculated imbalance correction weight threshold level or static imbalance and to determine the dynamic imbalance correction weight less than the calculated imbalance correction weight threshold level for the dynamic imbalance, a placement position for the static imbalance correction weight which reduces the measurement of the dynamic imbalance in the vehicle “ in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas ‘282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. Douglas ‘282 does not teach **selecting, responsive to the determined static imbalance correction weight exceeding the calculated imbalance correction weight threshold level or static imbalance and to determine the dynamic imbalance correction weight less than the calculated imbalance correction weight threshold level for the dynamic imbalance**, a placement position for the static imbalance correction weight which reduces the measurement of the dynamic imbalance in the vehicle.

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Re claim 36, the independent claim includes “ calculating a static imbalance correction weight threshold level “ in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas ‘282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. Douglas ‘282 does not teach calculating a static imbalance correction weight threshold level.

Re claim 37, the independent claim includes “ determining a specific imbalance correction weight threshold level for a vehicle having a unknown imbalance from the identified acceptable imbalance correction weight threshold curve“ in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas ‘282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. Douglas ‘282 does not teach determining a specific imbalance correction weight threshold level for a vehicle having an unknown imbalance from the identified acceptable imbalance correction weight threshold curve.

Re claim 40, the independent claim includes “ calculating a couple imbalance correction weight threshold level “ in combination with the remaining claim limitation is not taught and/or made obvious by the prior art. Douglas ‘282 teaches identifying a dimension and determining a threshold amount associated with the wheel rim run-out. Douglas ‘282 does not teach calculating a **couple imbalance correction weight threshold level**.

### *Conclusion*

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tamiko D. Bellamy whose telephone number is (571) 272-2190. The examiner can normally be reached on Monday - Friday 7:30 AM to 3:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tamiko Bellamy

T.B.

April 20, 2005

  
HEZRON WILLIAMS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800